

CLAIMS

1. A mobile radio apparatus that is foldable and that has a mechanism joining a first case and second case at
5 a hinge part allowing said mobile radio apparatus to open and close, said mobile radio apparatus comprising:

a first flat conductor placed on a first plane inside the first case along a length direction of the first case, and a second flat conductor and third flat conductor placed
10 on a second plane facing a first plane inside the first case along the length direction of the first case; and

a power supply section that supplies power to the first flat conductor and supplies power selectively to the second flat conductor or the third flat conductor
15 at a different phase from the phase power is supplied to the first flat conductor.

2. The mobile radio apparatus according to claim 1, comprising:

20 a detecting section that detects an inclination angle of the apparatus; and

a control section that controls power supply to the second flat conductor or the third flat conductor according to the inclination angle detected by the
25 detecting section.

3. The mobile radio apparatus according to claim 2,

wherein the control section controls a phase difference between the phase power is supplied to the first flat conductor and the phase power is supplied to the second flat conductor or the third flat conductor, according to the inclination angle detected by the detecting section.

4. The mobile radio apparatus according to claim 2, comprising a measuring section that measures a reception level, and a mobile radio apparatus, wherein the control section controls switching between the second flat conductor and third flat conductor in case that the reception level is less than a predetermined value.

5. A mobile radio apparatus that is foldable and that has a mechanism joining a first case and second case at a hinge part allowing said mobile radio apparatus to open and close, said mobile radio apparatus comprising:

first and second flat conductors placed on a first plane inside the first case along a length direction of the first case; and

a power supply section that supplies power to the second flat conductor at a different phase from the phase power is supplied to the first flat conductor.

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6. The mobile radio apparatus according to claim 5, wherein the first flat conductor and the second flat

conductor are placed so that a direction of a primary polarized wave is the same as a width direction of the first case.

- 5 7. The mobile radio apparatus according to claim 5, comprising:

a detecting section that detects an inclination angle of the apparatus; and

10 a control section that controls a phase difference between the phase power is supplied to the first flat conductor and the phase power is supplied to the second flat conductor according to the inclination angle detected by the detecting section.